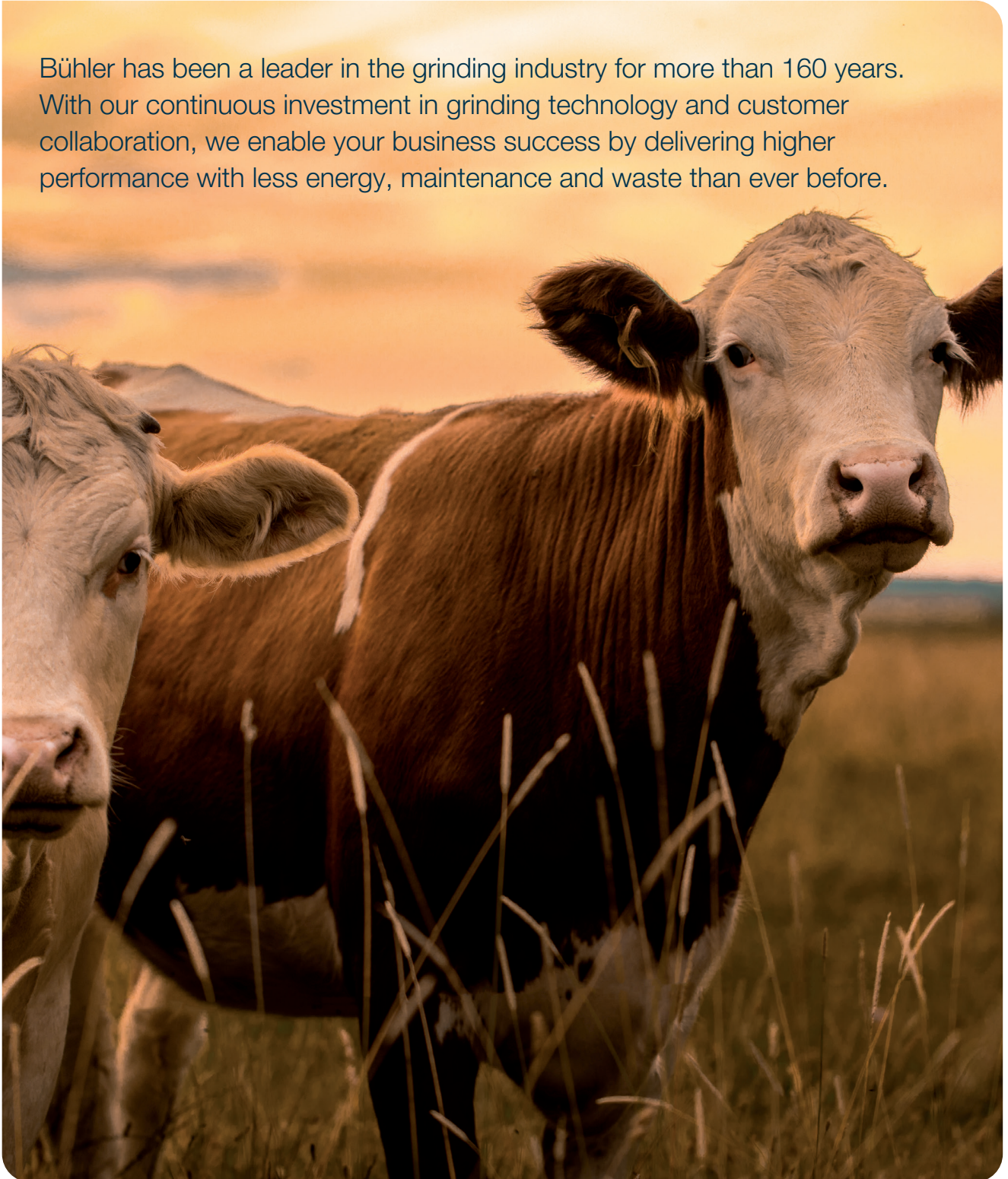


Granulex® 3 Series Hammer Mill

Global markets request. **The new benchmark in grinding.**

Bühler has been a leader in the grinding industry for more than 160 years. With our continuous investment in grinding technology and customer collaboration, we enable your business success by delivering higher performance with less energy, maintenance and waste than ever before.



Granulex® 3 Series.

Excellent grinding quality and throughputs.



Applications

Coarse grinding for feed and food applications and fine grinding for petfood and fish feed production.

Product features

- Large rotor diameter with optimized hammer tip speed ensures maximum material contact for efficient size reduction;
- Stationary hammer structure (AHZC66100 and above) can break the circulation layer effectively, which improves the efficiency of the mill;
- Multi grinding chamber structure, screen combination is more flexible;
- The clockwise and counterclockwise operation mode guarantees uniform wear of the hammers and screens.

Mode of operation

The feeder is mounted on top of the hammer mill to obtain a uniform feed rate. It also functions as an iron separator. The mill offers excellent access for screen and hammer changes through two large maintenance doors. For safety reasons, the doors are interlocked with the rotor, the mill cannot be started as long as the doors are opened.

Customer benefits

- High production flexibility
- High throughputs with excellent grinding quality
- User-friendly maintenance, reduced downtime

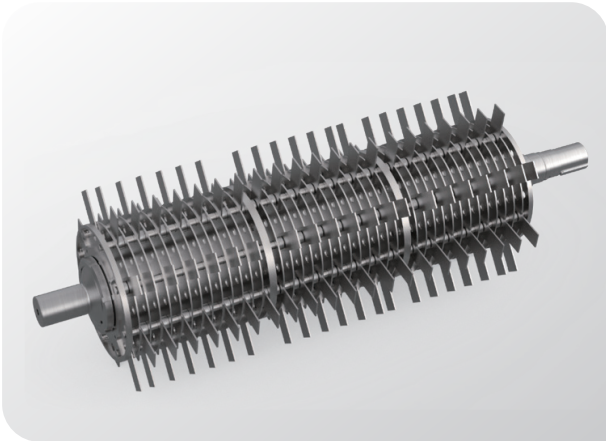
Granulex® 3 Series.

Built to achieve best in class performance.



The combined design of multiple chambers

- The combined design of multiple chambers in the crushing chamber (AHZC-66100 and above), with uniform rotor load and high crushing efficiency.
- Optimized design of key components rotor, higher linear speed of hammer, and finer crushing particle size.
- Stationary hammer structure is set at the bottom of the crushing chamber, which helps to break the circulation and make the crushing particle size more uniform.



Reasonable design of hammer

- Reasonable hammer layout increases the striking efficiency of materials and further improves the crushing capacity.
- The clearance between hammer and screen is adjustable to meet the requirements of different raw materials and fineness.
- Hammer blade adopts tungsten carbide surfacing to prolong service life.



Lateral air intake

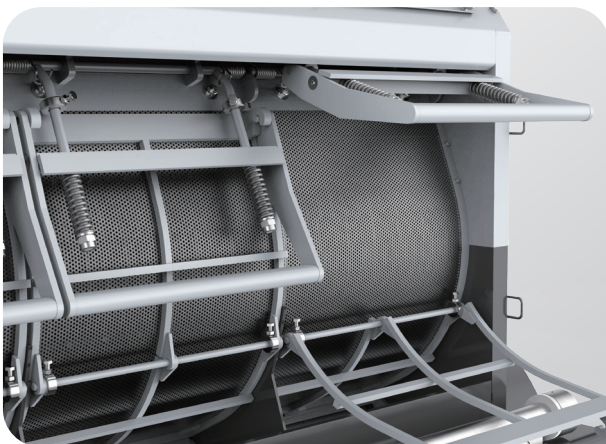
There's no fines buildup at internal surface of door and screen frame, clean and hygienic

Granulex® 3 Series. The new benchmark in maintenance.



Operators need quick access to their machine

The large sliding doors guarantee unobstructed access to the grinding chamber, which can be serviced while standing at an ergonomically optimized height. All components are easily accessible, making maintenance and replacement of wear parts a breeze. Even on very large machines, the doors can be manipulated with ease by a single person.



Simple and fast screen exchange

- The screen can be used freely, and only damaged single screen needs to be replaced each time, saving the use cost.
- The elastic quick opening screen pressing mechanism ensures that the screens of various thicknesses have good sealing performance, and screen replacement is very easy.
- Replacing the screen does not require any tools, and only takes a few minutes to complete.



No time to lose when changing the hammer

Replacing wear parts in continuous production processes means a standstill of the production line. This time must be kept as short as possible. The reasonable hammer distribution design of the Granulex® 3 series can replace the hammer in the shortest time.

Grinding is of central relevance in many process chains and has a direct impact on the final quality of products. For this purpose, we develop solutions for changing, demanding markets in our global innovation centers together with partners and customers.



Granulex® 3 Series.

Technical data, dimensions.

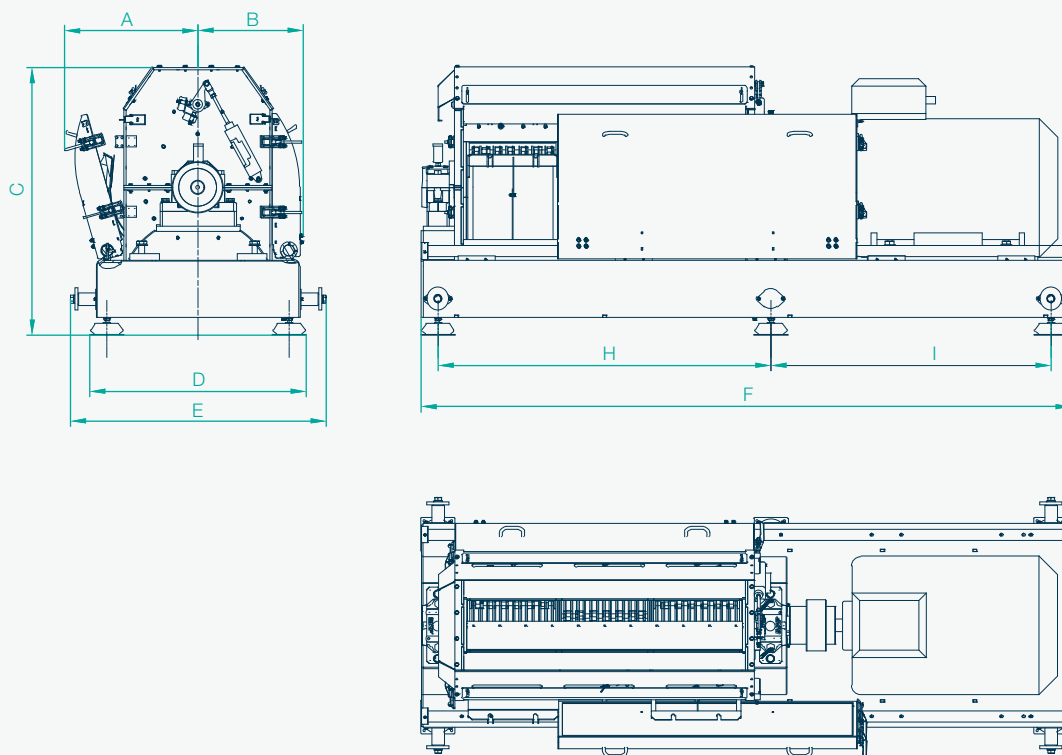
Technical data

Type	AHZA66050	AHZA66075	AHZA66100	AHZA66125	AHZA66150
Power (kw)	37-75	75-90	110-160	160-200	200-315
Throughput*(t/h)	7-12	12-15	15-27	27-35	35-57

* Depending on raw material and required granulation.

Dimensions

Type	A	B	C	D	E	F	H	I
AHZA66050	739	582	1445	1168	1382	1906	1700	-
AHZA66075	739	582	1445	1168	1382	2151	1956	-
AHZA66100	676	571	1445	1170	1370	2656	1258	1200
AHZA66125	739	582	1445	1168	1382	2931	1538	1198
AHZA66150	722	566	1445	1168	1378	3508	1797	1511



Service for demanding customers. **Available worldwide, reliable and fast.**

Perfection is achieved when your production process is aligned with the best possible outcome. Enabled by an integrated approach that combines process expertise, equipment know-how and data, we at Bühler aim to get the most out of your assets.





Lab services

The laboratories offer a broad range of analyses and testing of food and technical materials in order to innovate processes and improve equipment for our customers.

Spare and wear parts

Highest standards of reliability apply to original Bühler spare and wear parts. They are perfectly adjusted and ensure performance and production safety.

Training

At Bühler training centers – or at any site worldwide – specially trained experts pass on their hands-on expertise and knowledge to customers' employees.

Revision

Bühler evaluates, over hauls, adjusts or renews customer installations, including Bühler and non-Bühler machines.

Consulting

Strategic, plant performance, or energy consulting are just some of the consulting services to improve product quality, production processes and energy efficiency.

Repairs

Dedicated to minimizing downtime in the event of an incident: Fast and reliable technical repair service via the Bühler eTicket or the Bühler Helpline – worldwide, 24/7.

Maintenance

Packages are adjusted to fit production cycles to prevent downtime, loss in production efficiency or product quality, ranging from individual services to complete outsourcing of maintenance.

Retrofits

With individual upgrades and conversion kits, time-worn Bühler machines will perform to current standards of technology and efficiency.

Global expertise. Local presence. **A lifetime of customer service.**

Bühler customer service provides assistance not only to keep your machines, plants and facilities running at a high operational level, but also to prolong their service life, thus maximizing return on investment. You can test new products, shapes, recipes, textures, flavors, technologies and optimize your production process on fully equipped production lines and laboratories at our Application Centers world wide.



Nutrition Application Center Changzhou & Wuxi, China

Test our new technologies and production processes and see how our latest technologies can help make your products. We use state-of-the-art technology – with the possibility to integrate your own machines.



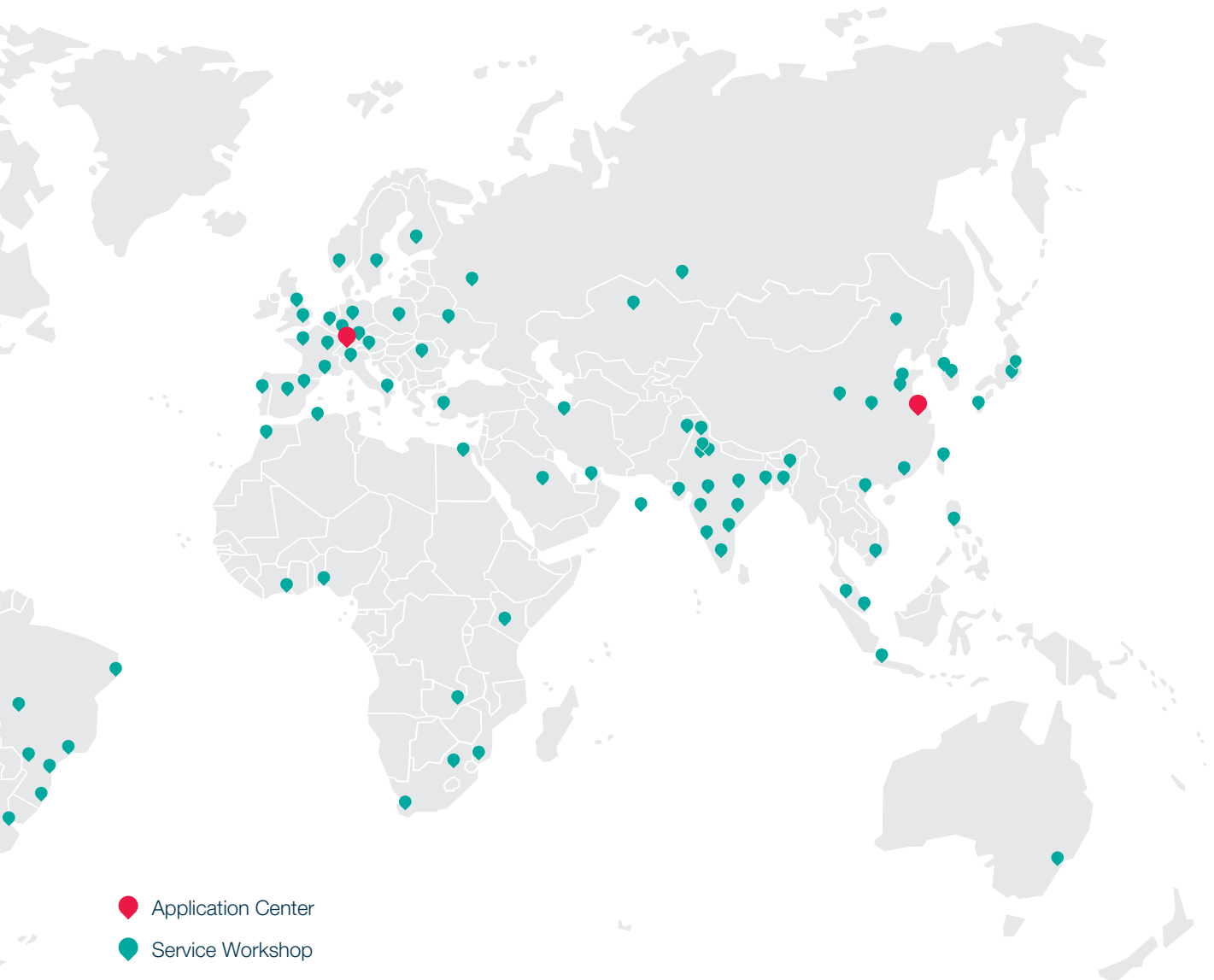
Grinding Application Center Uzwil, Switzerland

Our Grinding Application Center is a multi-purpose lab, where you can conduct tests on food and animal feed. In our Grinding Application Center, we have fully equipped production lines, where we run trials on a laboratory scale, but also use industrial-size equipment under real operating conditions.



Grinding Application Center Minneapolis, USA

The Grinding Application Center (FAC) is the playground that exemplifies our vision for the Future of Food in Minneapolis. Developing new ways to transform peas, chickpeas, beans, corn, oats, special grains and many other sources of alternative proteins, into flours, flakes, snacks, pasta, breakfast cereals, meat analogs, and a myriad of extruded products together with you.



Customer advantages.

- With specialist manufacturing and service locations all around the world, our support engineers and technicians are never far away, ready to help you resolve issues or take a proactive role in improving the overall performance of your facility.
- Join a seminar or let us train you in person. We run several workshops a year for theoretical and hands-on training. These can also be conducted at the Application Centers or at your production site.
- Work across multiple application centers to optimize all processes through the production line (e.g. grain technology and milling solutions) and develop end-to-end solutions.

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